

2007-2008 AWARDS

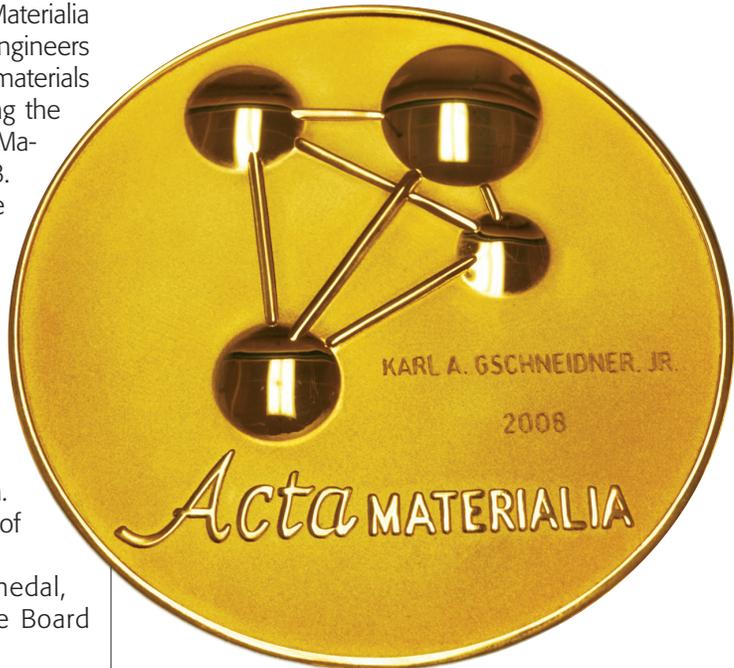
Gschneidner Acta Materialia Gold Medalist

Karl A. Gschneidner Jr., senior metallurgist at Ames Laboratory, has been awarded the prestigious Acta Materialia Gold Medal, considered by many scientists and engineers to be the top award worldwide in the field of materials research. Gschneidner received the award during the 2008 annual meeting of The Minerals, Metals & Materials Society in New Orleans on March 11, 2008.

The Acta Materialia Gold Medal is just the latest of many honors for Gschneidner, who in 2007 was elected to the National Academy of Engineering. The Gold Medal is awarded annually by the Board of Governors of Acta Materialia Inc. with partial financial support from Elsevier Ltd. Nominees are solicited each year from the Cooperating Societies and Sponsoring Societies of Acta Materialia Inc. based on demonstrated ability and leadership in materials research. The candidates are placed on a ballot for a panel of international judges who select the winner.

The award consists of an 18-karat gold medal, an inscribed certificate and a check from the Board of Governors.

The conference also featured a symposium in Gschneidner's honor, with the gold medalist delivering the keynote address.



Karl A. Gschneidner, Jr.

Thompson Wins Excellence Award

R. Bruce Thompson, director of the Nondestructive Evaluation program at Ames Laboratory, has won the Sustained Excellence Award from the American Society for Nondestructive Testing's Research Council.

Thompson, who is also director of Iowa State University's Center for Nondestructive Evaluation and a Distinguished Professor of materials science and engineering and aerospace engineering and engineering mechanics at Iowa State, was nominated by Kevin Smith of Pratt & Whitney. Smith cited Thompson's sustained excellence in research in the field of nondestructive testing through a long career filled with achievements leading to significant advancements in the state of the art.



Bruce Thompson

In addition to Thompson's research achievements, mentoring of students and excellent academic credentials, he was also recognized for his exceptional capability to perceive the possibilities for how theoretical concepts can be applied to industrial concerns.

Anderson TMS Distinguished Scientist/Engineer

Iver Anderson, senior metallurgist at Ames Laboratory, received the 2007 Distinguished Scientist/Engineer Award from the Electronic, Magnetic & Photonic Materials Division of The Minerals, Metals & Materials Society during the society's annual meeting, March 11, 2008 in New Orleans.

Anderson is only the second person selected for the award, which is presented based on a lengthy nomination and peer-review process. Anderson was singled out for his development of a tin-silver-copper solder alloy that has



Iver Anderson (left) receives his award from Patrice Turchi, director of the Electronics, Magnetics, & Photonic Materials Division of TMS.

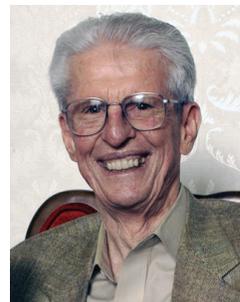
been widely adopted by the electronics industry to remove harmful lead from the environment.

To date, the patented lead-free solder has been licensed by some 60 companies worldwide and has generated nearly \$19 million in royalties for Ames Lab and Iowa State University.

The award cites Anderson "for his innovative ideas, his excellent research, his continuing scholarship and the influence he has had on the transition to Pb-free manufacturing."

Corbett Named 2008 ACS Cotton Award Winner

John Corbett, a senior chemist at Ames Laboratory, has been selected to receive the American Chemical Society's 2008 F. Albert Cotton Award in Synthetic Inorganic Chemistry. Established in 2002, the \$5,000 award recognizes individuals who have distinguished themselves by demonstrating creativity, imagination and outstanding synthetic accomplishments in the field of inorganic chemistry. The Cotton Award is funded by the F. Albert Cotton Endowment Fund, supported by the late F. Albert Cotton, one of the world's foremost inorganic chemists. Corbett is the fifth recipient of the award.



John Corbett

With his selection for the Cotton Award, Corbett has now received all three awards in inorganic chemistry given by the American Chemical Society. The first was in 1986, when he received the ACS Inorganic Chemistry Award. Then, in 2000, he received the ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry.

Corbett, who is also an ISU Distinguished Professor of Liberal Arts and Sciences and a professor of chemistry, is a member of the National Academy of Sciences.

His research interests lie within the more specialized field of synthetic inorganic solid-state chemistry, which he says has historically been the "forgotten child" of inorganic chemistry.

Corbett received the Cotton Award at the 2008 ACS spring meeting in April in New Orleans, where he presented an award address on his research in inorganic solid-state chemistry, including his investigations into strong metal-metal bonding. A symposium in Corbett's honor followed the award address and included many of his former students and postdoctoral associates.

MFRC a Partner in Forensic Technology Center of Excellence

The Midwest Forensics Resource Center at Ames Laboratory is a partner in the newly formed Forensic Technology Center of Excellence that will be headquartered at the National Forensic Science Technology Center located at the Young-Rainey STAR center in Largo, Fla.

The competitively awarded cooperative agreement is the result of the combined efforts of the five partners making up the Forensic Technology Center of Excellence who successfully submitted the peer-reviewed proposal. In addition to the NFSTC and the MFRC, the Center's partners include: Stetson College of Law's National Clear-

inghouse for Science, Technology and the Law, Gulfport, Fla; the University of Central Florida's National Center for Forensic Science, Orlando, Fla.; and Marshall University's Forensic Science Center, Huntington, W. Va. Each partner is responsible for a specific project in support of the center's objectives.

As a partner, the MFRC will receive approximately \$500,000 to support two projects. The first project will target the effective use of process-mapping tools for process improvement, and the second will identify, recruit and retain crime laboratories' scientific staff.